

NOTES:

1) MATERIAL:

1.1) 6061-T6/T62/T6510/T6511 SEAMLESS TUBING, 0.375 OD X 0.035 WALL
PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080/4082/4083 OR ASTM B210/B241
REF. DART SPEC. M6061T6T0.375W0.035

OR

5052-OT SEAMLESS ROUND TUBING, 0.375 OD X 0.035 WALL
PER WW-T-700/4 OR ASTM-B-210-02

REF. DART SPEC. M5052-OT0.375W0.035

1.2) 6061-T6/T62/T6510/T6511 SEAMLESS TUBING, 0.500 OD X 0.035 WALL
PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080/4082/4083 OR ASTM B210/B241
REF. DART SPEC. M6061T6T0.500W0.035

OR

5052-OT SEAMLESS ROUND TUBING, 0.500 OD X 0.035 WALL
PER WW-T-700/4 OR ASTM-B-210-02

REF. DART SPEC. M5052-OT0.500W0.035

1.3) AISI 304/316 SS SEAMLESS ROUND TUBING, 0.500 OD X 0.035 WALL

PER ASTM A213 OR ASME SA213 OR ASTM A269

REF. DART SPEC. M304TR0.500W0.035

1.4) HEATSLEEVE: STRATOFLEX M2650-6 CRINKLE-SOFT UNLESS OTHERWISE NOTED

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: PER DART QSI 044 6.1

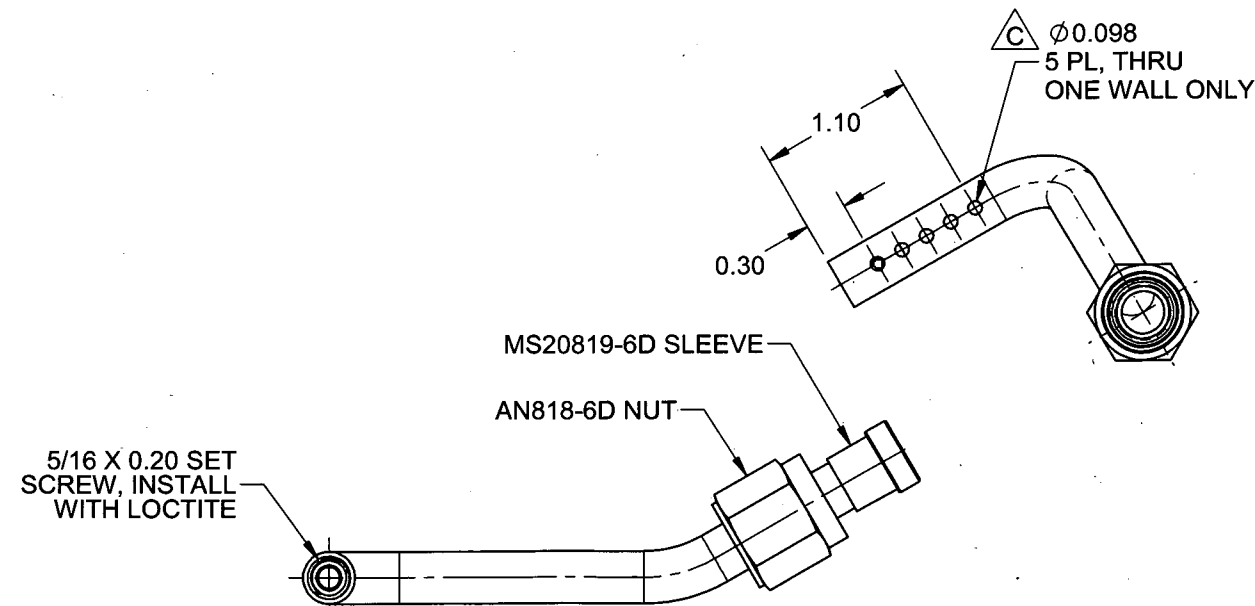
7) WEIGHT: SEE TABLE

8) FORMING: IN ACCORDANCE WITH TEMPLATES

9) FLARING OF TUBING: 30° TO MATE WITH FITTINGS PER MS33514

10) HEATSLEEVE INSTALLATIONS: OVER ALL TUBES WITH DESIGNATED LENGTH PER PARTS LIST

11) IT IS ACCEPTABLE TO SUBSTITUTE 0.035 WALL THICKNESS WITH 0.049 WALL THICKNESS

**D2003-077 DETAIL VIEW**

P/N	TEMPLATE	HEATSLEEVE LENGTH 1.4	CUT LENGTH OF TUBE 8	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESCRIPTION	MATERIAL	WEIGHT (in lbs)
D2003-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.06
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.08
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.10
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.16
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.12
D2003-011	T2003-011	33.31	32.38					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.26
D2003-011A	T2003-011A	33.31	32.38					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.26
D2003-013	T2003-013	12.7	13.54					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.12
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.14
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.15
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.15
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.11
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.10
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.14
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.12
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.22
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.59
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	SEE NOTE 1.3	1.01
D2003-035	T2003-035	26.38	27.00	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.93
D2003-037	T2003-037	24.81	24.81	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.87
D2003-037A	T2003-037A	24.81	24.81	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.87
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	SEE NOTE 1.3	1.13
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.22
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.45
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.21
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	SEE NOTE 1.3	0.29
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	SEE NOTE 1.3	1.13
D2003-077	T2003-077	N/A	6.25					1	1	JET	SEE NOTE 1.1	0.04
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.12
D2003-103	T2003-103	12.38	12.00					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.10
D2003-105	T2003-105	16.50	16.19					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.14
D2003-107	T2003-107	12.75	12.25					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.12
D2003-109	T2003-109	8.25	8.13			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.12
D2003-111	T2003-111	4.75	4.63			2	2			TUBE ASS'Y	SEE NOTE 1.2	0.08
D2003-116	T2003-116	4.0	N/A							HEATSLEEVE	M2650-20 CRINKLE-SOFT	1.00
D2003-120	T2003-120	4.0	N/A							HEATSLEEVE	M2650-16 CRINKLE-SOFT	0.78
D2003-14	T2003-14	4.0	N/A							HEATSLEEVE	M2650-14 CRINKLE-SOFT	0.75
D2003-16	T2003-16	4.0	N/A							HEATSLEEVE	M2650-16 CRINKLE-SOFT	0.78
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.10
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y	SEE NOTE 1.1	0.04

C	FORMAT TO CURRENT STD; UPDATE NOTES AND TABLE; REVISE D2003-035/-037/-105; ADD D2003-011A/-037A, AND MISSING DIMENSION. REASON: PAR10-024.	MB	14.10.06
B	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)	CP	99.06.08
A	NEW ISSUE	JB	90.04.09
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D2003	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		206 CABIN HEATER TUBE ASSY	NTS
DATE	14.10.06	COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

